

Title (en)

Single axle and independent wheels bogie for a railway vehicle

Title (de)

Einachsiges Drehgestell mit Einzelrädern für ein Eisenbahnfahrzeug

Title (fr)

Bogie à un essieu et à roues indépendantes pour véhicule ferroviaire

Publication

EP 1063143 A1 20001227 (EN)

Application

EP 00104163 A 20000229

Priority

JP 17487199 A 19990622

Abstract (en)

A single axle bogie (1) with independent wheels (3) has a bogie frame (2) provided with a pair of wheels independently drive by individual main motors (8). The motor speeds of the main motors are controlled to be equal. Between a vehicle body (5) and the bogie frame (2), a damper mechanism (10) comprising a lever (11), a damper (12) and side rods (13a,13b) is installed to restrain a turning motion of the bogie (1). Between the vehicle body and the bogie frame, a centering mechanism (20) comprising a lever (21), a centering device (22) and side rods (23a,23b) is installed to return the bogie (1) to a neutral position. Thus, hunting (yawing oscillations) during a high speed run is suppressed to achieve a stable run. <IMAGE>

IPC 1-7

B61F 5/38; **B61F 3/16**; **B61C 9/52**

IPC 8 full level

B60G 25/00 (2006.01); **B60G 99/00** (2010.01); **B61C 9/52** (2006.01); **B61F 3/16** (2006.01); **B61F 5/00** (2006.01); **B61F 5/24** (2006.01); **B61F 5/38** (2006.01)

CPC (source: EP)

B61C 9/52 (2013.01); **B61F 3/16** (2013.01); **B61F 5/386** (2013.01)

Citation (search report)

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- [A] EP 0282738 A1 19880921 - WAGGON UNION GMBH [DE]
- [A] US 5904102 A 19990518 - BRINKMANN ANDREAS [DE], et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 017, no. 222 (M - 1404) 7 May 1993 (1993-05-07)

Citation (examination)

DE 19826452 A1 19991223 - ABB DAIMLER BENZ TRANSP [DE]

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